PSION TEKLOGIX

Mississauga, Ontario
Canada

Installation Instruction

DESCRIPTION: INSTRUCTION SHT SHORT RAM ARM MOUNTING KIT MT2020

NOTE - FOR SUPPLIER/VENDOR:

- THIS DOCUMENT HAS A TOTAL OF 7 PAGES, INCLUDING COVER SHEET
- ONLY PAGES 2 TO 7, ON DOUBLE PAGE, ARE REQUIRED FOR THE CUSTOMER INSTRUCTION
- **DO NOT** INCLUDE FIRST PAGE IN ASSEMBLY PACKAGE

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PSION TEKLOGIX **Mississauga, Ontario**

TITLE: INSTRUCTION SHT SHORT RAM ARM MOUNTING KIT MT2020

Installation Instruction
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SIZE	DRAWING NO.	REV.
A	**1020171**	**D**

Installation Instruction for MT2020 Short RAM Mounting Kit

WARNING: Failure to install the mount correctly or modifications to the mount may result in serious injury or damage to property. Contact Psion Teklogix Technical Support or your Psion Teklogix representative if you have problems installing this mount. To ensure operator safety, you must use a calibrated torque wrench and the supplied mounting hardware when fastening the cradle and mount. This mount has not been tested for use in vehicles that are to be driven on public roads and highways. Never install this mount in a vehicle driven on public roads and highways. Contact Psion Teklogix for further details.

1. Preparation

This articulating mount can be installed in a wide variety of orientations. See Fig. 1, 3, and 4. Select the best orientation for your specific application. Preferred orientations maintain the centre of mass of the cradle assembly directly over the centre of the base (See Fig.1). Cradle may also be suspended from overhead structure (see Figure 6.) that meets all safety and mounting specifications outlined in this document.
Note: Overhead mounting is not compatible with pistol grip.

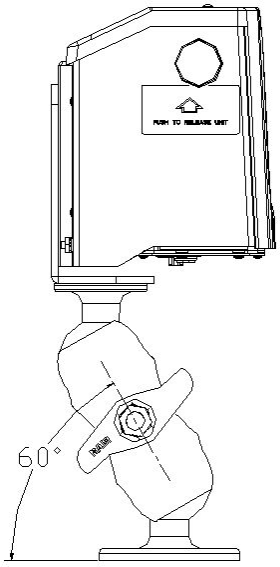

Figure 1.

Note the tilt & rotation of the cradle can be easily adjusted by the operator. Ensure that if the handscrew is loosened and the cradle slips, that the operator & any equipment cannot be damaged by it. Also note that under extreme vibration the mount may slowly 'settle', requiring readjustment and tightening of the handscrew. The use of tightening tool (Psion Teklogix part number 9000594) may be used to minimize settling. (See Fig.2)

The mounting platform must be of sufficient strength to support 10 kg. Never attach this mount to a plastic dash or a wooden platform without the appropriate backing plate and bracing. Review the clearance requirements listed on the instruction sheet provided with your cradle when selecting a mounting location - you must provide operator access at the top, bottom & sides. Also review the section in the User Manual for your handheld product under "Picker Cradle".

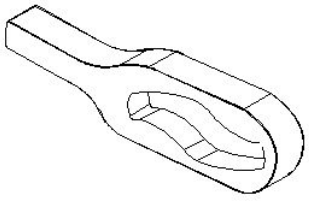
Figure 2.

2. Installation

Step 1: Assemble Ball to Bracket: Place Screw (C) through RAM Ball (D) and Bracket (B) and affix with Nylok Nut (A). Four places (see figure 3.).
Torque to 18.0 in-lbs.

Step2: Attach Bracket to Cradle: Place Screw (E) through Washer (F) and Bracket (B) and affix to Cradle (G). Four places (see figure 3.).
Torque to 18.0 in-lbs.

Step 3: Secure Base to Platform: Use the supplied bolt hole pattern to drill the required holes in the local platform. Hole diameters must not exceed 11/32". The kit provides 1 inch machine screws - if these are not appropriate, replace only with stainless steel (type 18-8) 5/16 machine screws, thread type 18, and ensure at least two threads are visible when nuts (M) are in place. Place Screw (H) through RAM Ball (J), Local Platform Flat Washer (K), and Lock Washer (L), affix with Nut (M). Four places (see figure 3.). Torque to 130 in-lbs.

Step 4: Assemble with Short Arm: Secure RAM Ball (D) and RAM Ball (J) into sockets of RAM Short Arm (N) (see figure 1.).

Step 5: Positioning Mount: Place cradle assembly into position shown (see figure 4.) and tighten by hand until secure. Please note that Bracket (B) can be assembled in different orientations if necessary (See Figure 5. and Figure 6. however figure 6. is not compatible with use of the pistol grip).

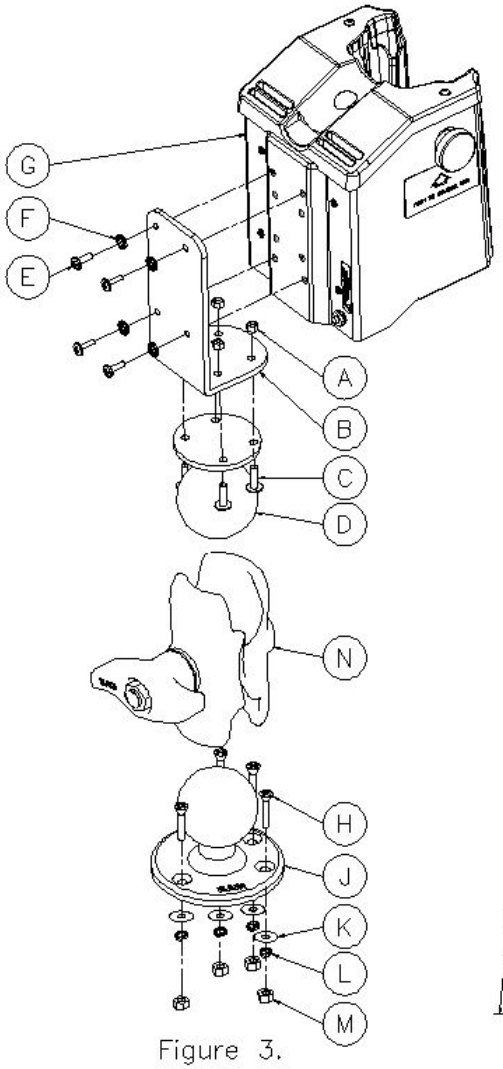

Figure 3.

LEGEND:
A - NYLOK NUT 10-24
B - METAL BRACKET
C - SCREW 10-24 X .75
D - RAM BALL (SMALL BASE)
E - SCREW 8-32 X .5
F - LOCK WASHER #8
G - CRADLE HU/CV10XX
H - SCREW $^{5}/_{16}$ X 1.0
J - RAM BALL (STD BASE)
K - FLAT WASHER $^{5}/_{16}$
L - LOCK WASHER $^{5}/_{16}$ (SPLIT)
M - NUT $^{5}/_{16}$
N - RAM SHORT ARM

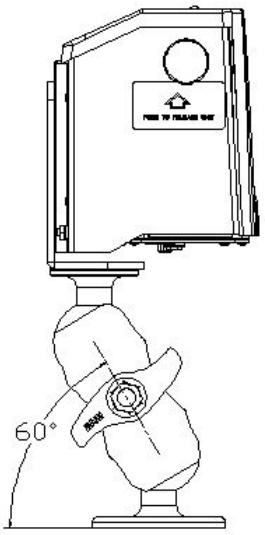

Figure 4.

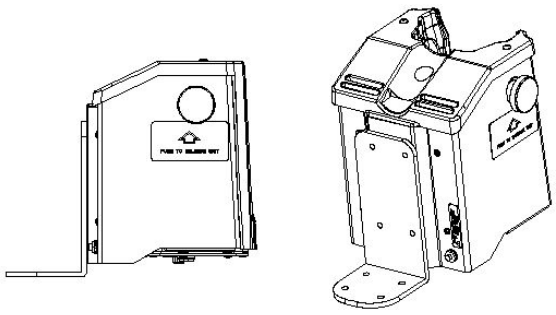
Figure 5.

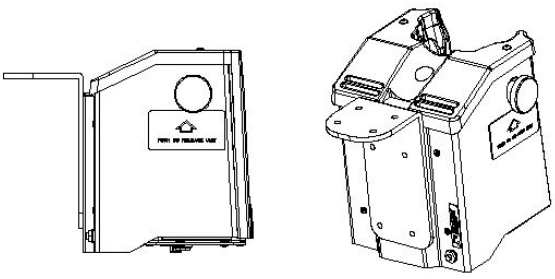
Figure 6.

Specifications:

Max. Load: 5.5 kg
Articulating Range: Spherical through 180 degrees.
Shock Rating: 30g maximum, sawtooth, 11ms duration.
Vibration Rating: 1.5 g rms maximum, 5 - 500 Hz

Compatibility:

HU1000, HU1010, HU1020, HU1030, 7975, 7976, 7977, 7937A, 7937B, 7937C Cradle Mounts.

Mount orientation shown in Figure 1. is considered the preferred configuration for the MT2020 RAM Mounting Kit. Hardware (H, K & L) for securing Base (J) to local platform are recommended sizes. If replacement hardware is need, it should be consistent with these diameters. All fasteners must use a suitable locking mechanism to ensure they do not loosen under shock & vibration.

Psion Teklogix Service Parts:

Legend Item	Description	Psion Teklogix Part Number
A	Nylock Nut 10-24	9009725
B	Metal Bracket	1020170
C	Screw 10-24 x ¾	9009726
D	RAM Ball (Small base)	9001803
E	Screw 8-32 x ½	9009723
F	Lock Washer # 8	9009724
H	Screw $^{5}/_{16}$ x 1	9009727
J	RAM Ball (Standard Base)	9001804
K	Flat Washer $^{5}/_{16}$	9009730
L	Lock Washer $^{5}/_{16}$ (Split)	9009728
M	Nut $^{5}/_{16}$	9009729
N	RAM Short Arm	9001932

Appendix A: Support Services and WorldWide Offices

Support Services

Psion Teklogix provides a complete range of product support services to its customers worldwide. These services include post-installation technical support and product repairs.

Canada and USA: Technical Support and Repair Services

In Canada and the U.S.A. these services can be accessed through the Psion Teklogix Helpdesk. The Helpdesk coordinates repairs, helps you troubleshoot problems over the phone, and arranges for technicians or engineers to come to your site. Canadian and U.S. customers may receive access to technical support services, ranging from phone support to emergency on-site system support, by calling the toll-free number below, or via our secure web site.

Note: *Customers calling the toll-free number should have their Psion Teklogix customer number or trouble ticket number available.*

Voice: 1 800 387-8898
Fax: 1 905 812-6304
Web Site: http://service.psionteklogix.com

WORLD WIDE WEB

www.psionteklogix.com

International Support

For technical support outside of Canada or the U.S.A., please contact your local Psion Teklogix office.

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* Authorized Service Center

Bolt Hole Pattern For RAM Base: